



PROGRAM OF THE

INTERNATIONAL SYMPOSIUM

ISB-INMA TEH

**AGRICULTURAL AND MECHANICAL
ENGINEERING**

- 2018 -

1 – 3 November

University POLITEHNICA of Bucharest

1 November

- 09⁰⁰ - 09¹⁵ - *Registration of participants to Brokerage (ISB Faculty, Floor 1, Hall D 101)*
- 09¹⁵ - 10⁴⁵ - *BROKERAGE: Agriculture and mechanical Engineering company mission: part I (Faculty of Biotechnical Systems Engineering, Floor 1, Hall D 101)*
- 10⁴⁵ - 11⁰⁰ - *Coffee break (Floor 1, in front of Hall D 101)*
- 11⁰⁰ - 12⁴⁵ - *BROKERAGE: Agriculture and mechanical Engineering company mission: part II: (Faculty of Biotechnical Systems Engineering, Floor 1, Hall D 101)*
- 12⁴⁵ - 13⁴⁵ - *Networking Lunch (Floor 1, in front of Hall D 101)*
- 14⁰⁰ - 15⁰⁰ - *Registration of participants to ISB-INMA TEH 2018 Symposium (in front of Festivity Hall "Radu Voinea" - AN 010)*
- 15⁰⁰ - 18⁰⁰ - *Opening speech: Festivity Hall "Radu Voinea" (AN 010)*
- *Mihnea COSTOIU, Rector – University Politehnica Of Bucharest;*
 - *Ecaterina ANDRONESCU, Senate President - University Politehnica Of Bucharest;*
 - *Sorin Mihai CÎMPEANU, Rector – UASMV Bucharest;*
 - *Gigel PARASCHIV, State Secretary – Ministry of National Education;*
 - *Gheorghe VOICU – Dean – Faculty of Biotechnical Systems Engineering;*
 - *Valentin VLĂDUȚ, General Manager - INMA Bucharest.*
- *Plenary Presentation*
- Edmond MAICAN – "Agriculture 4.0 - Advances in construction of agricultural machinery".*
- 18³⁰ - ... - *Festive Dinner (Politehnica University Library – fourth floor Lobby)*

2 November

Politehnica University Library (3.2, 4.2, 4.3, fourth floor Lobby)

- 9⁰⁰ - 9¹⁵ - *Registration of participants*
- 9¹⁵ - 10³⁰ - *Presentation of papers on sections (ORAL)*
- 10³⁰ - 10⁵⁰ - *Coffee break*
- 10⁵⁰ - 12³⁰ - *Presentation of papers on sections (ORAL)*
- 12³⁰ - 12⁵⁰ - *Coffee break*
- 12⁵⁰ - 14⁰⁰ - *Presentation of papers on sections (ORAL)*
- 14⁰⁰ - 15⁰⁰ - *Lunch break*
- 15⁰⁰ - 17⁰⁰ - *Presentation of papers on sections (POSTER)*
- 16³⁰ - 17³⁰ - *Roundtable: "Positive impact on the environment by using industrial residues in the pelletizing process"*
- 17³⁰ - 18³⁰ - *Visit of the Laboratories of Faculty of Biotechnical Systems Engineering / INMA Bucharest*

3 November

- 7³⁰ - 20⁰⁰ - *Symposium Trip*
- 13⁰⁰ - 15³⁰ - *Lunch*

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- SC AGROJOHN SRL
- SM RECOSEMTRACT SRL
- SC TOR-DOC SRL
- BIRO JOZSEF AGRO I.I.

BROKERAGE: Agriculture and mechanical engineering company mission

Chairman: Muraru-Ionel Cornelia

(U.P. Bucharest / Faculty of Biotechnical Systems Engineering, Floor 1, Hall D 101)

Organizer: INMA Bucharest

Co-organizers: University Politehnica of Bucharest; Business Support Centre for Small and Medium Size Enterprises-Ruse

BROKERAGE: Agriculture and mechanical engineering company mission (part I)

09⁰⁰ - 10⁴⁵

10⁴⁵ - 11⁰⁰ Coffee break (Floor 1, in front of Hall D 101)

BROKERAGE: Agriculture and mechanical engineering company mission (part II)

11⁰⁰ - 12⁴⁵

12⁴⁵ - 13⁴⁵ Networking Lunch (Floor 1, in front of Hall D 101)

SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION

Chairman: BIRIȘ Sorin / SELVİ Kemal / PARASCHIV Gigel

(Hall 4.2 - Politehnica University Library)

PRINCIPLES OF DESIGNING AND JUSTIFICATION OF PARAMETERS OF THE COAXIAL SCHEME OF THE POWER CONTOUR OF THE STAND FOR RESOURCE TESTS OF DRIVE LINES / ПРИНЦИПЫ КОНСТРУИРОВАНИЯ И ОБОСНОВАНИЕ ПАРАМЕТРОВ КОАКСИАЛЬНОЙ СХЕМЫ СИЛОВОГО КОНТУРА СТЕНДА ДЛЯ РЕСУРСНЫХ ИСПЫТАНИЙ КАРДАННЫХ ПЕРЕДАЧ
Pastukhov A.G. ^{*1}, Timachov E.P. ², Sharaya O.A. ¹

¹ Belgorod State Agricultural University named after V. Gorin / Russia

² Belgorod University of Cooperation, Economics and Law / Russia

E-mail: pastukhov_ag@mail.ru

9¹⁵-9³⁰

SECTION 2 - ECOLOGY & ENVIRONMENT - ORAL PRESENTATION

Chairman: COVALIU Cristina / MATACHE Mihai / POPESCU Carmen

(Hall 4.3 - Politehnica University Library)

THE NITRATES NUTRITION STATUS ASSESSMENT AND MANAGEMENT OF THE HORTICULTURAL CROPS IN THE STEPPE ZONE OF UKRAINE / ОЦІНКА ТА РЕГУЛЮВАННЯ ВМІСТУ НІТРАТІВ У ПЛОДО-ОВОЧЕВИХ КУЛЬТУРАХ В СТЕПОВІЙ ЗОНІ УКРАЇНИ
Kharytonov M. ¹, Babenko M. ¹, Kozechko V. ¹, Kalyna V. ¹, Lyadska I. ¹, Garmash S.M. ², Shupranova L.V. ³

¹Dnipro State Agrarian and Economic University, Dnipro, Ukraine; ²Ukrainian State University of Chemical Engineering, Dnipro, Ukraine; ³Oles Honchar Dnipro National University, Dnipro, Ukraine

E-mail: kharytonov.m.m@dsau.dp.ua

9¹⁵-9³⁰

STARTING TRACTION EFFORT EVALUATION FOR A SIMPLE TILLAGE TOOL / EVALUAREA FORȚEI LA PORNIRE PENTRU O SCULĂ SIMPLĂ DE LUCRAT SOLUL
Gaspar F. ¹, Coța C-tin ², Cârdei P. ², Fechete-Tutunaru L.V. ^{*1}

¹Technical University of Cluj-Napoca / Romania; ²INMA Bucharest / Romania

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9³⁰-9⁴⁵

STUDII PRIVIND INFLUENȚA LUMINII ASUPRA DEZVOLTĂRII GRĂULUI / STUDIES ON THE INFLUENCE OF LIGHT ON THE DEVELOPMENT OF WHEAT
Rusănescu C.O., Țucureanu M.C.

Polytechnic University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania;

E-mail: rusanescuotilia@gmail.com

9³⁰-9⁴⁵

A BIBLIOMETRIC ANALYSIS ON SUBSOILING TECHNOLOGY / ANALIZĂ BIBLIOMETRICĂ ASUPRA TEHNOLOGIILOR DE PRELUCRARE ADÂNCĂ A SOLULUI
Deac T.A. ¹, Vladuțoiu L. ², Fechete-Tutunaru L.V. ^{*1}

¹Technical University of Cluj-Napoca, Department of Automotive Engineering and Transportation, Romania; ²INMA Bucharest / Romania

E-mail: lucian.fechete@auto.utcluj.ro

9⁴⁵-10⁰⁰

RESEARCHES ON THE REALIZATION OF A TECHNOLOGY TO OBTAIN GRANULAR ORGANO-MINERAL FERTILIZERS BASED ON PEAT / CERCETARI PRIVIND REALIZAREA UNEI TEHNOLOGII DE OBTINERE A INGRASAMINTELOR ORGANO-MINERALE GRANULARE PE BAZA DE TURBA
Nagy E. M. ¹, Cota C. ¹, Gyorgy Z. ¹, Fechete-Tutunaru L. ²

¹INMA Bucharest / Romania; ²Technical University of Cluj-Napoca, Faculty of Mechanics / Romania;

E-mail: nagy_m2002@yahoo.co.uk

9⁴⁵-10⁰⁰

CFD STUDY OF THE EXHAUST GASES DISTRIBUTION FOR TRACTORS WITHOUT CAB / STUDIUL CFD A DISTRIBUTIEI GAZELOR EVACUATE PENTRU TRACTOARELE FĂRĂ CABINĂ
Jurco A.N. ^{*1}, Gheres M. ¹, Jurco E.C. ², Scurtu I.L. ¹

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²University of Agricultural Sciences and Veterinary Medicine, Faculty of Animal Science and Biotechnologies / Romania;

E-mail: ancuta.jurco@auto.utcluj.ro

10⁰⁰-10¹⁵

BIOENERGETIC ASSESMENT OF SWEET SORGHUM GROWN ON RECLAIMED LANDS / БІОЕНЕРГЕТИЧНА ОЦІНКА ЦУКРОВОГО СОРГО ВИРОЩЕНОГО НА РЕКУЛЬТИВОВАНИХ ЗЕМЛЯХ
Kharytonov M. ¹, Martynova N. ², Babenko M. ¹, Rula I. ¹, Sytnyk S. ¹, Bagorka M. ¹, Gavryushenko O. ¹

¹Dnipro State Agrarian and Economic University, Dnipro, Ukraine; ²Oles Honchar Dnipro National

University, Dnipro, Ukraine

E-mail: envteam@ukr.net

10⁰⁰-10¹⁵

SLOSHING SIMULATION OF THE LIQUID FROM THE TRUCK TANKER / SIMULAREA COMPORTAMENTULUI LICHIDULUI DINTR-O CISTERNA DE CAMION
Scurtu I.L. ¹, Gheres M. ¹, Jurco A.N. ¹

¹ Technical University of Cluj-Napoca, Faculty of Mechanical Engineering / Romania;

E-mail: liviu.scurtu@auto.utcluj.ro

10¹⁵-10³⁰

AGROTEXTILES SUSTAINABLE STRATEGIC DEVELOPMENT STRATEGY OF THE CONVERGING ECONOMIC SECTORS / AGROTEXTILE STRATEGIE SUSTENABILĂ PENTRU SECTOARELE ECONOMICE CONVERGENTE
Dorogan A. ¹, Cârpuș E. ¹, Burnichi F. ², Petre C-tin ²

¹The National R&D Institute for Textile and Leather / Romania; ²SCDL Buzau / Romania

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10¹⁵-10³⁰

10³⁰-10⁵⁰: Coffee break

<p>MATHEMATICAL MODEL FOR DETERMINATION OF SOIL TILLAGE RESISTANCE FORCES / MODEL MATEMATIC PENTRU DETERMINAREA FORTELOR DE REZISTENȚĂ LA PRELUCRAREA SOLULUI Ghereș M. I.¹⁾ Coța C-tin.²⁾ ¹⁾Technical University of Cluj – Napoca, Faculty of Mechanical Engineering /Romania ²⁾INMA Bucharest / Romania <i>E-mail: marius.gheres@auto.utcluj.ro</i></p>	10 ⁵⁰ -11 ⁰⁰	<p>RESEARCHES ON THE ACID HYDROLYSIS OF THE PEAT FOR THE REALIZATION OF BIOSTIMULATORS FOR THE GROWTH OF PLANTS / CERCETARI PRIVIND HIDROLIZA ACIDA A TURBEI IN VEDEREA REALIZARII DE BIOSTIMULATORI PENTRU CREȘTEREA PLANTELOR Cioica N.*¹⁾, Nagy E. M.¹⁾, Cota C.¹⁾, Gyorgy Z.¹⁾, Fecete-Tutunaru L.²⁾ ¹⁾INMA Bucharest, / Romania; ²⁾Technical University of Cluj-Napoca, Faculty of Mechanics / Romania; <i>E-mail: ncioica@yahoo.com</i></p>	10 ⁵⁰ -11 ⁰⁰
<p>DESIGN OF THE CONSTANTINESCO TORQUE CONVERTER USED AS A MECHANICAL TRANSMISSION FOR AGRICULTURAL TRACTORS / DIMENSIONNEMENT DU CONVERTISSEUR DE COUPLE DE CONSTANTINESCO UTILISÉ COMME TRANSMISSION MÉCANIQUE DES TRACTEURS AGRICOLES Mailloux M.*¹⁾, Ene M.¹⁾ ¹⁾Université du Québec en Abitibi-Témiscamingue, École de Génie / Canada; <i>E-mail: maxime.mailloux2@uqat.ca</i></p>	11 ⁰⁰ -11 ¹⁰	<p>AGROPHYSICAL AND BIOTIC FACTORS OF REGULATION OF BIOLOGICAL ACTIVITY OF SOIL IN THE CROP ROTATION / АГРОФІЗИЧНІ І БІОТИЧНІ ФАКТОРИ РЕГУЛЮВАННЯ БІОЛОГІЧНОЇ АКТИВНОСТІ ҐРУНТУ В СІВОЗМІНІ Tsyliuryk A.I.*¹⁾, Shevchenko S.M.¹⁾, Gonchar N.V.¹⁾, Ostapchuk Ya.V.¹⁾, Shevchenko O.M.²⁾, Derevenets-Shevchenko K.A.²⁾ ¹⁾Dnipro State Agrarian and Economic University, Dnipro / Ukraine; ²⁾State Institute of Grain Crops NAAS / Ukraine, <i>E-mail: tsilurik_alexander@ukr.net</i></p>	11 ⁰⁰ -11 ¹⁰
<p>VERTICAL WIND TURBINE WITH SONIC GENERATOR / ÉOLIENNE À AXE VERTICAL AVEC GÉNÉRATRICE SONIQUE Martel P.¹⁾, Ene M.*²⁾, Mailloux M.²⁾ ¹⁾Technosub, Rouyn-Noranda, Québec / Canada; ²⁾Université du Québec en Abitibi-Témiscamingue, École de Génie, UREM / Canada <i>E-mail: marin.ene@uqat.ca</i></p>	11 ¹⁰ -11 ²⁰	<p>EFFICIENCY OF USING OF THE ORGANIC MINERAL MIXED LIGAND CU IN THE PIG FEEDING / ЕФЕКТИВНІСТЬ ВИКОРИСТАННЯ ОРГАНІЧНО-МІНЕРАЛЬНОГО ЗМІШАННОПІГАНДНОГО Сu В ГОДІВЛІ СВИНЕЙ Horchanok A.V.¹⁾, Kuzmwanko O.A.²⁾, Khalak V.I.³⁾, Porotikova I.I.¹⁾, Lunska A.Yu.¹⁾ ¹⁾Dnipro State University of Agriculture and Economics / Ukraine ;²⁾Bila Tserkva National University of Agriculture / Ukraine ³⁾State Institute of Grain Culture of the National Academy of Science of Ukraine <i>E-mail: khavturina@meta.ua</i></p>	11 ¹⁰ -11 ²⁰
<p>SONIC GENERATOR DRIVEN BY WIND VIBRATING MECHANISM / GÉNÉRATEUR SONIQUE ACTIONNÉ PAR UNE ÉOLIENNE VIBRANTE Ene M.*¹⁾, Martel P.²⁾, Mailloux M.¹⁾, Jodouin P.¹⁾ ¹⁾Université du Québec en Abitibi Témiscamingue, École de génie, UREM / Canada ²⁾Technosub, Rouyn-Noranda, Québec / Canada; <i>E-mail: marin.ene@uqat.ca</i></p>	11 ²⁰ -11 ³⁰	<p>WATER DEPOLLUATION USING TYPHA ANGUSTIFOLIA / DEPOLUAREA APEI CU TYPHA ANGUSTIFOLIA Diaconu L.* , Butnariu I.C., Catrina A.G., Paraschiv G. University Politehnica of Bucharest / Romania <i>E-mail: cristina_covaliu@yahoo.com</i></p>	11 ²⁰ -11 ³⁰
<p>MATHEMATICAL MODELING AND NUMERICAL SIMULATION OF THE DRYING PROCESS OF SEEDS IN A PILOT PLANT / MODELAREA MATEMATICĂ ȘI SIMULAREA NUMERICĂ A PROCESULUI DE USCARE A SEMINTELOR ÎNTR-O INSTALAȚIE PILOT Arsenoaia V.N.*¹⁾, Vlăduț V.²⁾, Țenu I.²⁾, Vocea I.²⁾, Cârlescu P. M.¹⁾ ¹⁾ University of Agricultural Sciences and Veterinary Medicine Iași / Romania; ²⁾INMA Bucharest / Romania <i>E-mail: vlad_arsenoaia@yahoo.com</i></p>	11 ³⁰ -11 ⁴⁰	<p>RESEARCHES REGARDING THE EVALUATION OF THE BIOMASS POTENTIAL RESULTED FROM THE DORMANT PRUNING OF SOME VINE VARIETIES / CERCETĂRI PRIVIND EVALUAREA POTENȚIALULUI DE BIOMASĂ REZULTATĂ DE LA TĂIEREA ÎN USCAT A UNOR SOIURI DE VIȚĂ DE VIE PE ROD Țenu I.¹⁾, Dumitrachi P.E.¹⁾, Roșca R.¹⁾, Cârlescu P.¹⁾, Naghiu A.²⁾, Roman C.³⁾, Senila L. R.³⁾, Becze Anca³⁾ ¹⁾USAMV „Ion Ionescu de la Brad” Iași / Romania; ²⁾USAMV Cluj-Napoca / Romania; ³⁾Research Institute for Analytic Instrumentation Cluj-Napoca / Romania <i>E-mail: rrosca@uaiasi.ro</i></p>	11 ³⁰ -11 ⁴⁰
<p>CLASSIFICATION CRITERIA OF AGRO-FOOD TANKERS / CRITERII DE CLASIFICARE A CISTERNELOR PENTRU PRODUSE AGRO-ALIMENTARE Milian G.* , Biriș S. Șt. University “Politehnica” Bucharest, Faculty of Biotechnical Systems Engineering / Romania <i>E-mail:gabi_isb@yahoo.com</i></p>	11 ⁴⁰ -11 ⁵⁰	<p>ZEOLITE NANOMATERIAL FOR HEAVY METALS REMOVAL FROM WATER / NANOMATERIAL ZEOLITIC PENTRU ÎNDEPĂRTAREA METALELOR GRELE DIN APĂ Butnariu C. I., Stoian O.* , Voicu Șt., Iovu H., Paraschiv G. University Politehnica of Bucharest / Romania <i>E-mail: cristina_covaliu@yahoo.com</i></p>	11 ⁴⁰ -11 ⁵⁰
<p>ANALYSIS OF TECHNIQUE CURRENT STAGE IN THE FIELD OF SORGHUM PRESSING EQUIPMENT DESIGNED TO PRODUCE THE RAW JUICE NECESSARY TO OBTAIN THE BIOETHANOL / ANALIZA STADIULUI ACTUAL AL TEHNICII ÎN DOMENIUL ECHIPAMENTELOR PENTRU PRESAREA SORGULUI ÎN VEDEREA PRODUCERII SUCULUI BRUT NECESAR PRODUCERII DE BIOETANOL Olan M.*¹⁾, Vlăduț V.¹⁾, Păun A.¹⁾, Vișan A.¹⁾, Găgeanu P.¹⁾, Vocea I.¹⁾, Dumitrescu C.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾INOE 2000 IHP / Romania <i>E-mail: vibrobloc@yahoo.com</i></p>	11 ⁵⁰ -12 ⁰⁰	<p>ASSESSMENT OF THE STATUS OF THE ARGES RIVER NEAR BUCHAREST-ILFOV / EVALUAREA STĂRII RĂULUI ARGES ÎN ZONA BUCUREȘTI-ILFOV Ciobotaru I.-E.*¹⁾, Marcu E., Deák Gy.¹⁾, Ivanov Al. A.¹⁾, Maria C.¹⁾, Tociu C.¹⁾, Ionescu P.¹⁾, Burlacu I.¹⁾, Zamfir Șt.¹⁾, Radu V.-M.¹⁾, Cimpoeru C.¹⁾, Vlăduț N. V.²⁾ ¹⁾National Institute for Research and Development in Environmental Protection – INCDPM Bucharest / Romania ²⁾National Institute of Research-Development for Machines and Installations designed to Agriculture and Food Industry – INMA Bucharest / Romania <i>E-mail: ecatarina_marcu90@yahoo.com</i></p>	11 ⁵⁰ -12 ⁰⁰
<p>PRELIMINARY TESTS FOR THE ASSESSMENT OF SOME COMMERCIAL, LOW COST, SENSORS FOR MEASURING THE TEAT-LINER CONTACT PRESSURE / ÎNCERCĂRI PRELIMINARE PRIVIND UTILIZAREA UNOR SENZORI COMERCIALI PENTRU MĂSURAREA PRESIUNII DE CONTACT MAMELON-MANȘON Roșca R.* , Cârlescu P., Țenu I., Assist. Arsenoaia V. USAMV “Ion Ionescu de la Brad” Iași, Faculty of Agriculture/ Romania; <i>E-mail: rrosca@uaiasi.ro</i></p>	12 ⁰⁰ -12 ¹⁰	<p>WASTEWATER TREATMENT USING NANOTECHNOLOGY / EPURAREA APEI FOLOSIND NANOTEHNOLOGIA Vișan A.*¹⁾, Butnariu C. I.¹⁾, Voicu Șt.¹⁾, Iovu H.¹⁾, Deák Gy.²⁾, Paraschiv G.¹⁾ ¹⁾University Politehnica of Bucharest / Romania ²⁾National Institute for Research and Development in Environmental Protection – INCDPM/ Romania <i>E-mail: cristina_covaliu@yahoo.com</i></p>	12 ⁰⁰ -12 ¹⁰
<p>COMPARATIVE ANALYSIS OF PNEUMATIC WATER AERATION SYSTEMS / ANALIZA COMPARATIVĂ A SISTEMELOR DE AERARE PNEUMATICĂ A APEI Constantin I.M.*¹⁾, Moga C.²⁾, Tănase E.B.¹⁾, Băran N.¹⁾, Zamfir I.M.¹⁾ ¹⁾University Politehnica of Bucharest, Faculty of Mechanical Engineering and Mechatronics / Romania; ²⁾DFR System S.R.L. / Romania <i>E-mail: i.mihaelaconstantin@gmail.com</i></p>	12 ¹⁰ -12 ²⁰	<p>CONTRIBUTIONS TO THE DEVELOPMENT OF THE FERTIRRIGATION EQUIPMENT FIELD / CONTRIBUȚII LA DEZVOLTAREA DOMENIULUI ECHIPAMENTELOR DE FERTIRIGAȚIE Șovăială Gh.*¹⁾, Anghel S.¹⁾, Matache G.¹⁾, Popescu A.¹⁾, Radu O.²⁾, Manea D.²⁾ ¹⁾INOE 2000-IHP / Romania; ²⁾INMA Bucharest / Romania <i>E-mail: sovaiala.ihp@fluidas.ro</i></p>	12 ¹⁰ -12 ²⁰

<p>ALGORITHM AND COMPUTER PROGRAM FOR THE DETERMINATION OF THE MATERIAL JUMPS PARAMETERS ON THE ACTIVE SURFACE OF ROLLING SCREEN FITED WITH ELLIPTIC SHAKING ROLLS / ALGORITM ȘI PROGRAM DE CALCUL PENTRU DETERMINAREA TEORETICĂ A PARAMETRILOR SALTURILOR MATERIALULUI PE SUPRAFAȚA ACTIVĂ A GRĂTARELOR RULANTE PREVĂZUTE CU ROLE ELIPTICE DE SCUTURARE Safta V.V. University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; E-mail: saftavictoriorel@yahoo.com</p>	12 ²⁰ -12 ³⁰	<p>THEORETICAL CONSIDERATIONS REGARDING THE ENERGETIC CONSUMPTION OF AN RECIRCULATING AQUACULTURE SYSTEM (RAS) FOR FISH BREEDING / CONSIDERAȚII TEORETICE PRIVIND CONSUMUL DE ENERGIE A UNUI SISTEM ACVACOL RECIRCULANT (SAR) DE CREȘTERE A PEȘTELOR Laza E.A.¹, Caba I.¹, Constantinescu M.², Radu O.D.¹, Zachia M.³ INMA Bucharest / Romania; ²SC INTERMANAGEMENT CONSULTING SRL / Romania; IBA Bucharest / Romania E-mail: eveline_anda@yahoo.com</p>	12 ²⁰ -12 ³⁰
12³⁰-12⁵⁰: Coffee break			
<p>IMPACT OF VIBRO-COMBINATOR SOIL PROCESSING ON PHYSICO-MECHANICAL SOIL PROPERTIES/ IMPACTUL PRELUCRĂRII SOLULUI CU UN VIBRO-COMBINATOR ASUPRA PROPRIETĂȚILOR FIZICO-MECANICE ALE SOLULUI Grigore I.^{*1}, Sorica E.¹, Sorică C.¹, Grigore A. I.¹, Vladutoiu L.¹, Cristea M.¹ ¹INMA Bucharest E-mail: ionica_grigore2001@yahoo.com</p>	12 ⁵⁰ -13 ⁰⁰	<p>WATER TREATMENT BY FLOTATION USING NANOMATERIALS / EPURAREA APEI PRIN FLOTAȚIE CU NANOMATERIALE Butnariu C. I., Mircea A., Voicu Șt., Iovu H., Paraschiv G University Politehnica of Bucharest / Romania E-mail: cristina_covaliu@yahoo.com</p>	12 ⁵⁰ -13 ⁰⁰
<p>EXPERIMENTAL MEASUREMENTS FOR TESTING SOME AUTOMATED MONITORING SYSTEMS OF CONVEYOR BELTS IN THE COMPOUND FEED FACTORIES / MĂSURĂTORI EXPERIMENTALE PENTRU TESTAREA UNOR SISTEME AUTOMATIZATE DE MONITORIZARE A BENZILOR TRANSPORTOARE DIN FABRICILE DE NUTREȚURI COMBinate Vasile C., Glodeanu M., Alexandru T. ¹Faculty of Agronomy, University of Craiova, Romania E-mail: cristi_vasile_4you@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰	<p>PHARMACEUTICAL PRODUCTS REMOVAL FROM WASTEWATER/ ÎNDEPARTAREA PRODUȘILOR FARMACEUTICI DIN APELE UZATE Pîrvu F., Catrina A.G., Butnariu C. I., Paraschiv G University Politehnica of Bucharest / Romania E-mail: cristina_covaliu@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰
<p>CONSIDERATIONS REGARDING THE CONSTRUCTION AND OPERATION OF AN EQUIPMENT DESIGNED TO MODEL THE SOIL IN COMPARTMENTED FURROWS IN VINEYARDS AND ORCHARDS / CONSIDERATII PRIVIND CONSTRUCTIA SI FUNCTIONAREA UNUI ECHIPAMENT DE MODELAT SOLUL ÎN BRAZDE COMPARTIMENTATE LA PLANTATII VITI-POMICOLE Oprescu R.^{*1}, Biriș S.Șt.², Vocea I.¹, Vlăduț V.¹, Paraschiv G.², Marinescu A.M.³ ¹INMA Bucharest / Romania, ²University "Politehnica" Bucharest / Romania, ³INOE 2000 IHP / Romania E-mail: oprescu.remusmarius@gmail.com</p>	13 ⁰⁰ -13 ¹⁰	<p>MATHEMATICAL ESTIMATION FOR CH₄ EMISSIONS FROM WASTE DEPOSITS (MSW) – COMPARATIVE ANALYSIS / MODELE MATEMATICE DE ESTIMARE A EMISIEI DE CH₄ DIN DEPOZITELE DE DEȘEURI (MSW) – COMPARAȚII Voicu Gh.¹, Vieru D.², Dincă M.¹ University Politehnica of Bucharest / Romania E-mail: ghvoicu_2005@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰
<p>OPTIMAL SYNTHESIS OF THE MECHANISM WITH ROTATING DOUBLE CAM AND ROLLER FOLLOWER WITH ACTIVE CIRCULAR SURFACE / SINTEZA OPTIMALĂ A MECANISMULUI CU CAMĂ DUBLĂ DE ROTAȚIE ȘI TACHET CU MIȘCARE DE ROTAȚIE CU SUPRAFAȚĂ ACTIVĂ CIRCULARĂ (CU ROLĂ) Moise V.^{*1}, Popa L.², Dugaesescu I.¹, Ungureanu L.M.¹, Niculae E.¹, Polena A.S.¹ ¹University Politehnica of Bucharest, Faculty of Engineering and Management of Technological Systems/ Romania; ²INMA Bucharest / Romania E-mail: victor.moise@yahoo.com</p>	13 ¹⁰ -13 ²⁰	<p>IMPORTANCE OF PROTECTED AREAS IN GIURGIU REGION FOR SUSTAINABLE DEVELOPMENT / IMPORTANȚA ARIILOR PROTEJATE IN JUDEȚUL GIURGIU PENTRU DEZVOLTARE DURABILĂ Simion.G.¹, Muresan M.² ¹University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²Giurgiu Environment Agency / Romania E-mail: gacsimion@gmail.com</p>	13 ¹⁰ -13 ²⁰
<p>EXPERIMENTAL RESEARCH ON THE KNIFE BLADES USED TO CUTTING AND SHREDDING FIBROUS FUDDER / CERCETĂRI EXPERIMENTALE ASUPRA ORGANELOR DE TĂIERE-MĂRUNȚIRE A FURAJELOR FIBROASE Caba I.L.^{*1}, Laza E.A.¹, Constantinescu M.², Radu O.D.¹, Boiu-Siciuia O.A.³, Popescu C.⁴ ¹INMA Bucharest / Romania; ²SC INTERMANAGEMENT CONSULTING SRL / Romania; ³ICDPP Bucharest / Romania; ⁴S.C. HOFIGAL Export Import S.A. / Romania E-mail: inmatm_caba@yahoo.com</p>	13 ²⁰ -13 ³⁰	<p>WASTEWATER TREATMENT USING TiO₂ PHOTOCATALYST/ EPURAREA APEI CU FOTOCATALIZATORUL TiO₂ Turcan M.^{*1}, Butnariu C. I.¹, Voicu Șt.¹, Iovu H.¹, Deák Gy.², Paraschiv G.¹ ¹University Politehnica of Bucharest / Romania ²National Institute for Research and Development in Environmental Protection – INCDPM/ Romania E-mail: cristina_covaliu@yahoo.com</p>	13 ²⁰ -13 ³⁰
<p>A NEW MACHINE FOR GRASSLAND RESEEDING, MSPM-2.5 TYPE / NOUA MAȘINĂ DE REÎNSĂMÂNȚAT PAJIȘTI, TIP MSPM-2.5 Mocanu V.¹, Ene T.A.¹ ¹Research-Development Institute for Grassland Brasov / Romania; E-mail: vasmocanu@yahoo.com</p>	13 ³⁰ -13 ⁴⁵	<p>MODERN SYSTEM FOR LOCAL SOIL COMPACTION MAPPING / SISTEM MODERN DE ELABORARE A HĂRȚILOR DE COMPACTARE LOCALĂ A SOLULUI Radu O.D.^{*1}, Cristea L.¹, Șovăială Gh.², Laza E.¹, Caba I.¹ ¹INMA Bucharest / Romania; ²INOE 2000-IHP / Romania E-mail: diana10.cristea@gmail.com</p>	13 ³⁰ -13 ⁴⁵
<p>CONTRIBUTIONS TO THE ANALYSIS OF THE VIBRATORY WORKING TOOLS BY FEM / CONTRIBUȚII LA ANALIZA SUPORȚILOR ORGANELOR DE LUCRU VIBRATOARE PRIN MEF Gheorghită N.E.[*], Biriș S.Șt., Ungureanu N., Ionescu M. ¹ Universities Polytechnic Bucharest, Faculty of Biotechnical Systems Engineering / Romania; E-mail: evelin_gheorghita@yahoo.com</p>	13 ⁴⁵ -14 ⁰⁰	<p>GENERAL ASPECTS OF THE EXTREME METEOROLOGICAL PHENOMENON, HAIL / ASPECTE GENERALE ALE FENOMENULUI METEOROLOGIC EXTREM GRINDINA Birsan M., Muscalu A., Vocea I., Pruteanu A. INMA Bucharest E-mail: marymmsa@yahoo.com</p>	13 ⁴⁵ -14 ⁰⁰
14⁰⁰-15⁰⁰ Lunch			

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SECTION 3 - FOOD INDUSTRY - ORAL PRESENTATION

Chairman: VOICU Gheorghe / BELC Nastasia

(Hall 3.2. - Politehnica University Library)

**GRAIN SIZE ANALYSIS TECHNIQUES IN AGRICULTURAL PRODUCTS /
TARIM ÜRÜNLERİNDE TANE BÜYÜKLÜĞÜ ANALİZ TEKNİKLERİ**
Selvi K.Ç.¹, Sauk H^{*1}, Önder K.²

¹Ondokuz Mayıs University, Department of Agricultural Machinery and Technologies Engineering / Turkey; ²Akdeniz University, Vocational School of Technical Science, Antalya/Turkey.
E-mail: hsauk@omu.edu.tr

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**EFFECT OF TWO PREPARATIONS BASED ON PLANT EXTRACT ON ZOOTECHNIC
PARAMETERS AND HEALTH CONDITION OF BROILER CHICKEN /
EFFET DE DEUX EXTRAITS VEGETAUX SUR LES PARAMETRES ZOOTECHNIQUES ET ETAT
DE SANTE DE POULET DE CHAIR**

Sahraoui N.^{1*}, Lounis S.¹, Slifi M.¹, Guetarni D.¹, Hornick JL.²

¹Veterinary Institute- Blida University / Algeria; ²University of de Liège / Belgium
E-mail: nasahraoui@gmail.com

9³⁰-9⁴⁵

**AN OVERVIEW OF HAZELNUT HARVESTING MACHINES WITH DIFFERENT DESIGNS /
FARKLI TASARIMLARA SAHİP FINDIK HASAT MAKİNALARINA GENEL BİR BAKIŞ**
Sauk H^{*1}, Selvi K.Ç.¹, Önder K.²

¹Ondokuz Mayıs University, Department of Agricultural Machinery and Technologies Engineering / Turkey; ²Akdeniz University, Vocational School of Technical Science / Turkey
E-mail: hsauk@omu.edu.tr

9⁴⁵-10⁰⁰

**DECISION SUPPORT TOOL FOR FARMERS PRODUCING INDUSTRIAL TOMATOES IN ALGERIA /
UN OUTIL D'AIDE A LA DECISION POUR LES PRODUCTEURS TOMATE INDUSTRIELLE EN ALGERIE**
Bouzid Amel*, Zemat Mohammed.

¹Centre for Research in Applied Economics for Development, CREAD / Algeria
E-mail: ambzdz@yahoo.fr

10⁰⁰-10¹⁵

**PHYSICO-CHEMICAL AND MICROBIOLOGICAL CHARACTERIZATION OF
ARGAN (Argania spinosa L.) OIL - RAW MATERIAL IN COSMETICS INDUSTRY /
CARACTERIZAREA FIZICO-CHIMICA SI MICROBIOLOGICA A ULEIULUI DE ARGAN (Argania
spinosa L.) - MATERIE PRIMA IN INDUSTRIA COSMETICA**

Al Jourdi Hanadi¹, Popescu C.^{2,3*}, Popiniuc C.^{1,4}, Lupuleasa D.¹

¹"Carol Davila" University of Medicine and Pharmacy, ²S.C. HOFIGAL Export Import S.A. / Romania; ³"Vasile Goldiș" Western University, ⁴Innergy (SC Inner Chi Nature srl) / Romania.
E-mail: carmen_popescu@hofigal.eu

10¹⁵-10³⁰

SECTION 3 - FOOD INDUSTRY - POSTER PRESENTATION

Chairman: VLĂDUTȚ Valentin / VINTILĂ Marian / PĂUN Anișoara

(Fourth Floor Lobby - Politehnica University Library)

**ASPECTS REGARDING THE FLATTENED INSTALLATION FOR THE DRYING CEREALS IN A
WET CONDITION /
ASPECTE PRIVIND INSTALAȚIA DE APLATIZAT ÎN VEDEREA ÎNSILOZĂRII CEREALELOR ÎN STARE
UMEDĂ**

Zaica A.*, Nedelcu A., Ciupercă R., Popa L., Zaica Al., Ștefan V., Anghel A., Cristescu A.C.
INMA Bucharest / Romania
E-mail: acanpeanu@yahoo.com

9¹⁵-9³⁰

**NUTRITIONAL QUALITY OF GLUTEN-FREE CEREALS: A REVIEW /
CALITATEA NUTRITIONALĂ A CEREALELOR AGLUTENICE: REVIEW**

Belc N.¹, Culețu A.^{*1}, Duță D.E.¹, Mohan G.¹, Iorga E.¹, Brăcăcescu C.²

¹ National Institute of Research and Development for Food Bioresources, IBA Bucharest / Romania; ² National Institute of Research-Development for Machines and Installations Designed to Agriculture and Food Industry, INMA Bucharest, Romania
E-mail: alina.culetu@bioresurse.ro; alinaculetu@gmail.com

9³⁰-9⁴⁵

**METHODOLOGICAL INSTRUMENT FOR FORMING THE MARKETING STRATEGY OF
AGRICULTURAL PRODUCTION ECOLOGYZATION /
МЕТОДОЛОГІЧНИЙ ІНСТРУМЕНТ ФОРМУВАННЯ МАРКЕТИНГОВОЇ СТРАТЕГІЇ
ЕКОЛОГІЗАЦІЇ СІЛЬСЬКОГОСПОДАРСЬКОГО ВИРОБНИЦТВА**

Bagorka M.O.^{*1}, Tkalych O.V.¹, PhD, Plotka V.V.²

¹Dnipro State Agrarian and Economic University / Ukraine; Institute of Agriculture of Steppe zone/ Ukraine
E-mail: ecohous@ukr.net

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**TECHNOLOGICAL ASPECTS OF FREEZING OF HORTICULTURAL PRODUCTS
ASPECTE TEHNOLOGICE PRIVIND CONGELAREA UNOR PRODUSE HORTICOLE**

Vintilă M.^{*1}, Mohora M.¹, Popescu S.¹, Moise D.¹, Dumitrescu L.¹, Sorică C.²

¹ICDIMPH – HORTING / Romania; ²INMA Bucharest / Romania
E-mail: marian.vintila57@yahoo.com

10⁰⁰-10¹⁵

**DETERMINATION OF SOME AERODYNAMIC PROPERTIES OF "BALO" BELL PEPPER FOR
PNEUMATIC SORTING /
"BALO" DOLMALIK BİBERİN PNÖMATİK SINIFLANDIRMA İÇİN BAZI AERODİNAMİK
ÖZELLİKLERİNİN BELİRLENMESİ**

Kabaş Ö.^{*1}, Özmerzi A.²

¹Akdeniz University, Vocational School of Technical Science, Department of Machinery, Türkiye; ²Akdeniz University, Faculty of Agriculture
E-mail: okabas@akdeniz.edu.tr

10¹⁵-10³⁰

10³⁰-10⁵⁰ Coffee break

**CHARACTERIZATION OF CIDERS BASED ON TOTAL POLYPHENOLS CONTENT,
ANTIOXIDANTS CAPACITY AND TOTAL ACIDITY /
CARACTERIZAREA CIDRURILOR PE BAZA CAPACITĂȚII ANTIOXIDANTE TOTALE, A
CONȚINUTULUI TOTAL DE POLIFENOLI SI A ACIDITĂȚII TOTALE**

Bogdanescu D.¹, Bordean D.M.^{*1,2}, Caba I.^{*2}, Vladut V.^{*2}, Poiana M.A.¹, Hadaruga N.¹, Tataru O.¹, Rivis A.¹
¹Banat's University of Agricultural Sciences and Veterinary Medicine "King Mihai I of Romania" from Timisoara / Romania; ²INMA Bucharest / Romania
E-mail: dana_bogda@yahoo.com

10³⁰-10⁴⁵

**CONSTRUCTIVE SOLUTIONS FOR DISTILLATION INSTALLATIONS FOR THE PRODUCTION OF RAW
ALCOHOL /
SOLUȚII CONSTRUCTIVE PRIVIND INSTALAȚIILE DE DISTILARE PENTRU OBTINERE DE ALCOOL BRUT**

Voicea I.¹, Neagoe M.¹, Găgeanu I. ¹, Persu C. ¹, Cujbescu D. ¹, Iuga D. ¹, Vlăduț V.¹, Troțuș E. ², Paraschiv G., Ungureanu N.³, Dincă M.³, Arsenoia V.⁴

¹INMA Bucharest / Romania; ²SCDA Secuieni, Neamț/ Romania, ³UPB Bucharest / Romania; ⁴USAMV Iași / Romania
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10³⁰-10⁴⁵

**ASPECTS ON THE BEHAVIOR OF IDARED AND GOLDRUSH APPLE VARIETIES DURING STORAGE /
ASPECTE PRIVIND COMPORTAREA MERELOR DIN SOIURILE IDARED ȘI GOLDRUSH PE
DURATA PĂSTRĂRII**

Veringă D.*, Moise D., Mohora A., Niculescu F

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E-mail: veringa.daniela@yahoo.com

11⁰⁵-11²⁰

**REDUCING MICROBIAL LOAD OF FOOD PRODUCTS USING UV RADIATION PULSES /
REDUCEREA INCARCATURII MICROBIENE A PRODUSELOR ALIMENTARE FOLOSIND
PULSURI DE RADIATIE UV**

Paunescu D. D.¹; Vladut V.², Padureanu V.¹, Csatos C.¹

¹Universitatea Transilvania din Brasov / Romania; ²INMA Bucharest / Romania
E-mail: paunescu.dan@unitbv.ro

11⁰⁵-11²⁰

<p>INHIBITORY EFFECT OF ESSENTIAL OILS ON COMMON FUNGAL PHYTOPATHOGENS FUSARIUM AND ALTERNARIA / EFECTUL INHIBITOR AL ULEIURILOR ESENTIALE ASUPRA FUNGILOR FITOPATOGENI COMUNI FUSARIUM SI ALTERNARIA Ferdes M.*, Dinca M., Toma L., Pihurov M. ¹⁾ University "Politehnica" of Bucharest, Faculty of Biotechnical Systems Engineering E-mail: mferdes@upb.ro</p>	11 ²⁰ -11 ³⁵	<p>DOSING AND WEIGHING METHODS USED IN MILLING TECHNOLOGIES / METODE DE DOZARE SI CANTARIRE UTILIZATE IN TEHNOLOGIA MORARITULUI Voicea I.¹⁾, Oprescu R.¹⁾, Găgeanu I.¹⁾, Pruteanu A.¹⁾, Cujbescu D.¹⁾, Păun A., Vlăduț V.¹⁾, Paraschiv G.²⁾, Arsenoia V.³⁾, Popescu L.⁴⁾ ¹⁾INMA Bucharest / Romania; ²⁾University "POLITEHNICA" Bucharest / Romania; ³⁾USAMV Iași / Romania; ⁴⁾Condor Comimpex SRL / Romania E-mail: voicea_iulian@yahoo.com</p>	11 ²⁰ -11 ³⁵
<p>ASPECTS ON THE ACTIVE PACKAGING OF FOOD PRODUCTS / ASPECTE PRIVIND AMBALAREA ACTIVA A PRODUSELOR ALIMENTARE Voicu Gh., Constantin G., Ștefan M., Munteanu M. ¹⁾University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania E-mail: ghvoicu_2005@yahoo.com</p>	11 ³⁵ -11 ⁵⁰	<p>EXPERIMENTAL RESEARCH ON ENERGY CONSUMPTION IN BAKING BAGELS / CERCETARI EXPERIMENTALE PRIVIND CONSUMUL DE ENERGIE LA COACEREA COVRIGILOR Munteanu M.G.*¹⁾, Voicu Gh.¹⁾, Ferdeș M.¹⁾, Constantin G.A.¹⁾, Ștefan E.M.¹⁾, Gheorghită N.E.¹⁾, Duțu I.C.¹⁾ ¹⁾University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; E-mail: munteanumaya@yahoo.com</p>	11 ³⁵ -11 ⁵⁰
<p>DAKOTA BLACK POPCORN - ALTERNATIVE FOR SMALL FERMIER / PORUMBUL POPCORN DAKOTA BLACK - ALTERNATIVĂ PENTRU MICII FERMIERI Pandia O.*¹⁾, Sărăcin I.²⁾ ¹⁾University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Management, Economic Engineering in Agriculture and Rural Development / Romania ²⁾University of Craiova, Faculty of Agriculture / Romania E-mail: olimpia_pandia@yahoo.com</p>	11 ⁵⁰ -12 ¹⁰	<p>RESEARCH ON THE EXTRACTION METHODS OF GRAPE SEED OIL / CERCETĂRI PRIVIND METODELE DE EXTRAȚIE A ULEIULUI DIN SEMINȚE DE STRUGURI Biriș S.Șt., Vasilachi C.* Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; E-mail: carmen.vasilachi@gmail.com</p>	11 ⁵⁰ -12 ¹⁰
<p>VALORISATION AS FUNCTIONAL INGREDIENTS OF SOME SUBPRODUCTS FROM DIETARY SUPPLEMENT PROCESSING / VALORIZAREA CA INGREDIENTE FUNCȚIONALE A UNOR SUBPRODUSE DIN PROCESAREA SUPLIMENTULUI ALIMENTAR Belc N.¹⁾, Apostol L.¹⁾, Vlăsceanu G.²⁾, Moșoiu C.¹⁾, Vlăduț V.³⁾, Martinez Sanmartin A.⁴⁾ ¹⁾National Institute of Research & Development for Food Bioresources - IBA Bucharest / Romania; ²⁾Hofigal Export – Import SA / Romania; ³⁾INMA Bucharest / Romania; ⁴⁾National Technological Centre for the Food and Canning Industry CTC / Spain E-mail: apostol_livia@yahoo.com</p>	12 ¹⁰ -12 ³⁰	<p>OATS AND THE GLUTEN-FREE DIET / OVĂZUL ȘI ALIMENTAȚIA FĂRĂ GLUTEN Duță D.E.*¹⁾, Culețu A.¹⁾, Iorga E.¹⁾, Belc N.¹⁾, Marin D.E.²⁾, Găgeanu I.³⁾ ¹⁾National Institute of Research&Development for Food Bioresources IBA Bucharest/Romania; ²⁾National Research&Development Institute for Biology and Animal Nutrition/Romania; ³⁾INMA Bucharest/Romania E-mail: denisa.duta@bioresurse.ro</p>	12 ¹⁰ -12 ³⁰
12³⁰-12⁵⁰: Coffee break			
<p>INFLUENCE OF GLUTEN-FREE FLOUR ADDITION ON α-AMYLASE ACTIVITY OF WHEAT FLOUR / INFLUENȚA ADAOSULUI DE FĂINĂ AGLUTENICĂ ASUPRA ACTIVITĂȚII α-AMILAZEI DIN FĂINA DE GRĂU Ștefan E.M.*, Voicu Gh., Constantin G.A., Munteanu M.G. University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering/ Romania; E-mail: stefanelenamadalina@gmail.com</p>	12 ⁵⁰ -13 ⁰⁰	<p>BUILDING UP OWN MARKETS FOR ORGANIC BEE PRODUCTS / ИЗГРАЖДАНЕ НА СОБСТВЕНИ ПАЗАРИ ЗА БИОЛОГИЧНИ ПЧЕЛНИ ПРОДУКТИ Lyubenov L.*, Atanasov A., Hristakov I. University of Rousse "Angel Kanchev" / Bulgaria E-mail: L.Lyubenov@uni-ruse.bg</p>	12 ⁵⁰ -13 ⁰⁰
<p>VARIATION OF CONTENT IN WATER-SOLUBLE VITAMINS, VEGETABLES AND FROZEN FRUITS DURING STORAGE / VARIAȚIA CONȚINUTULUI ÎN VITAMINE HIDROSOLUBILE, AL LEGUMELOR ȘI FRUCTELOR CONGELATE, ÎN TIMPUL DEPOZITĂRII Catană L.¹⁾, Catană M.¹⁾, Iorga E.¹⁾, Lazăr-A. G.¹⁾, Lazăr A.-M.¹⁾, Belc N.¹⁾, Vlăduț V.²⁾ ¹⁾National Institute of Research & Development for Food Bioresources - IBA Bucharest, Romania; ²⁾INMA Bucharest / Romania E-mail: lumi_catana@yahoo.co.uk</p>	13 ⁰⁰ -13 ²⁰	<p>FORTIFYING BISCUITS WITH FLOUR MADE FROM TOMATO WASTE IN ORDER TO INCREASE THE NUTRITIONAL VALUE AND THE ANTIOXIDANT POTENTIAL / FORTIFIEREA BISCUIȚILOR CU FĂINĂ OBTINUTĂ DIN DEȘEURI DE TOMATE, ÎN SCOPUL CREȘTERII VALORII NUTRIȚIONALE ȘI A POTENȚIALULUI ANTIOXIDANT Catană M.¹⁾, Catană L.¹⁾, Iorga E.¹⁾, Lazăr-A. M.¹⁾, Lazăr A.-G.¹⁾, Belc N.¹⁾, Vlăduț V.²⁾ ¹⁾National Institute of Research & Development for Food Bioresources - IBA Bucharest / Romania; ²⁾INMA Bucharest / Romania E-mail: lumi_catana@yahoo.co.uk</p>	13 ⁰⁰ -13 ²⁰
<p>INTERACTIONS BETWEEN ANTIOXIDANTS FROM SOME FRUITS AND VEGETABLES INTERACȚIUNI ÎNTRE ANTIOXIDANȚII DIN FRUCTE ȘI LEGUME Zachia M.*¹⁾, Multescu M.¹⁾, Belc N.¹⁾, Iorga E.¹⁾ ¹⁾National Institute of Research & Development for Food Bioresources - IBA Bucharest / Romania; E-mail: marta.zachia@bioresurse.ro</p>	13 ²⁰ -13 ⁴⁰	<p>CAPITALIZATION OF FATTY OIL OF LINUM USITATISSIMUM L. SEEDS (= FLAX) OBTAINED BY COLD PRESSING FROM INDIGENOUS ECOLOGICAL CROP / VALORIFICAREA ULEIULUI GRAS DE LINUM USITATISSIMUM L. (= IN) OBTINUT PRIN PRESARE LA RECE DIN CULTURA INDIGENA ECOLOGICA Al Jourdi Hanadi ¹⁾, Popescu C.*^{2,3)}, Popiniuc C.^{1,4)}, Lupuleasa D.¹⁾ ¹⁾Carol Davila" University of Medicine and Pharmacy, Bucharest; ²⁾S.C. HOFIGAL Export Import S.A. / Romania; ³⁾"Vasile Goldiș" Western University, Arad; ⁴⁾Innergy (SC Inner Chi Nature srl) / Romania E-mail: carmen_popescu@hofigal.eu</p>	13 ²⁰ -13 ⁴⁰
14⁰⁰-15⁰⁰: Lunch			

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SECTION 1 - POWER AND MACHINERY - POSTER PRESENTATION Chairman: SĂRĂCIN Ion / ATANASOV Atanas / DUMITRESCU Cătălin (Fourth Floor Lobby - Politehnica University Library)		SECTION 2 - ECOLOGY & ENVIRONMENT - POSTER PRESENTATION Chairman: MAICAN Edmond / PANDIA Olimpia / VOICEA Iulian (Fourth Floor Lobby - Politehnica University Library)	
IMPROVEMENT OF MEASURING DEVICES OF SEEDING MACHINERY / СОВЕРШЕНСТВОВАНИЕ ДОЗИРУЮЩИХ УСТРОЙСТВ ПОСЕВНЫХ МАШИН Polokhin A.M., Kuznetsov Yu.A., Kalashnikova L.V. Faculty of Agrotechnics and Energy Supply, Orel State Agrarian University / Russian Federation <i>E-mail: kentury@rambler.ru</i>		QUALITY MANAGEMENT IN A KNOWLEDGE-BASED ECONOMY / MANAGEMENTUL CALITĂȚII INTR-O ECONOMIE BAZATA PE CUNOASTERE Brăcăcescu C.*, Epure M. INMA Bucharest/Romania <i>E-mail: carmenbraca@yahoo.com</i>	
GPS GUIDED AGRICULTURAL MINIROBOT / MINIROBOT AGRICOL GHIDAT PRIN GPS Ipate G., Constantin G., Voicu Gh., Musuroi G., Ștefan E.M., Munteanu M., Stefan M. E., Dumitrescu L. University Politehnica of Bucharest / Romania <i>E-mail: puiu.ipate@gmail.com</i>		RESEARCH ON THE IMPORTANCE OF THE QUANTITY OF AVAILABLE BIOMASS AND ITS USE/ CERCETĂRI PRIVIND IMPORTANȚA CANTITĂȚII DE BIOMASĂ DISPONIBILĂ ȘI UTILIZAREA EI Spirchez C.¹⁾, Lunguleasa A.¹⁾, Prună M.²⁾, Gaceu L.¹⁾, Forfotă R.¹⁾, Dumitrache I.¹⁾ ¹⁾ Transilvania University of Brașov – Romania; ²⁾ Institute for Research in Construction Technology and Equipment Bucharest – Romania <i>E-mail: cosmin.spirchez@unitbv.ro</i>	
ASSESSMENT OF SEDIMENT TRANSPORT RATE AND NON-SILTING VELOCITY IN IRRIGATION CANAL / ОЦЕНКА НА НАНОСНОТО КОЛИЧЕСТВО И НЕЗАТЛАЧВАЩАТА СКОРОСТ В НАПОИТЕЛЕН КАНАЛ Grancharova El.*¹⁾, Patamanska G.¹⁾ ¹⁾ Institute of Soil Science, Agrotechnologies and Plant Protection “Nikola Poushkarov”, Irrigation and Drainage Department / Bulgaria; <i>E-mail: eveha@abv.bg</i>		METHOD FOR DETERMINING THE VEGETATION STATE OF CROPS THROUGH AERIAL MAPPING USING AN AGRICULTURAL DRONE / METODĂ DE DETERMINARE A STĂRII DE VEGETAȚIE A CULTURILOR PRIN CARTARE AERIANĂ UTILIZÂND O DRONĂ AGRICOLĂ Găgeanu I.*¹⁾, Cujbescu D.¹⁾, Matache M.¹⁾, Persu C.¹⁾, Vocea I.¹⁾, Vlăduț V.¹⁾, Oprescu R.¹⁾, Iuga D.¹⁾, Chiriță A. P.²⁾, Duță D.E.³⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ INOE 2000-IHP / Romania <i>E-mail: iulia.gageanu@gmail.com</i>	
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EXPERIMENTAL RESEARCHES REGARDING THE QUALITATIVE WORKING INDEXES OF SEED DRILL MACHINE SUP-21 / CERCETĂRI EXPERIMENTALE PRIVIND DETERMINAREA INDICILOR CALITATIVI DE LUCRU LA SEMĂNĂTOAREA SUP-21 Bolintineanu Gh.*, Cujbescu D., Persu C., Găgeanu I., Vlăduțoiu L., Dumitru I., Oprescu M.R., Iuga D., Stroescu Gh. INMA Bucharest / Romania <i>E-mail: bolintineanu_gh@yahoo.com</i>		CONSIDERATIONS ON TECHNOLOGIES FOR REDUCING THE EFFECTS OF PARTICULATE DUST FROM SEED TREATMENT WITH INSECTICIDES THAT ARE EMITTED IN THE ENVIRONMENT – A REVIEW / CONSIDERAȚII PRIVIND TEHNOLOGIILE UTILIZATE PE PLAN MONDIAL PENTRU DIMINUAREA EFECTELOR PRODUSE DE PARTICULELE DE PRAF, EMISE LA TRATAREA SEMINTELOR CU INSECTICIDE – REVIEW Mateescu M.*¹⁾, Manea D.¹⁾, Gheorghe G.¹⁾, Dumitru D.¹⁾, Dumitrescu L.²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ INOE 2000-IHP / Romania <i>E-mail: marinela.mateescu@yahoo.com</i>	
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<p>RESEARCH ON THE OPTIMIZATION OF THE RETRACTABLE FINGER AUGER FROM A COMBINE HARVESTER / CERCETĂRI PRIVIND OPTIMIZAREA TRANSPORTURULUI ELCOIDAL DE LA COMBINA DE RECOLTAT CEREALE Popa V.¹⁾, Popa R.¹⁾, Biriş S.Şt.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾Politehnica University of Bucharest / Romania; <i>E-mail: vlad_popa90@yahoo.com</i></p>	<p>STUDY ON SENSITIVITY OF THE MAIZE HYBRID RUSE 424 AND ITS PARENT FORMS TO HERBICIDES USED AGAINST SORGHUM HALEPENSE / ПРОУЧВАНЕ ЧУВСТВИТЕЛНОСТТА НА ЦАРЕВИЧНИЯ ХИБРИД РС 424 И РОДИТЕЛСКИТЕ МУ ФОРМИ КЪМ ХЕРБИЦИДИ ИЗПОЛЗВАНИ ЗА БОРБА С БАЛУРА Ilieva D.¹⁾, Stoianova S.²⁾ ¹⁾University of Ruse "Angel Kanchev" / Bulgaria; ²⁾Institute of Agriculture and Seed Science / Bulgaria <i>E-mail: dilieva@uni-ruse.bg</i></p>
<p>EXPERIMENTAL RESEARCHES ON QUALITATIVE WORKING INDEXES OF STRAW AND HAY BALING PRESSES / CERCETĂRI EXPERIMENTALE PRIVIND DETERMINAREA INDICILOR CALITATIVI DE LUCRU LA PRESELE DE BALOTAT PAIE ŞI FÂN Bolintineanu Gh.*, Cujbescu D., Persu C., Găgeanu I., Vlăduţoiu L., Dumitru I., Oprescu M.R., Iuga D., Stroescu Gh. INMA Bucharest / Romania <i>E-mail: bolintineanu_gh@yahoo.com</i></p>	<p>TOOLS FOR CONTINUOUS TRAINING, STIMULATING INNOVATION AND RAPID TECHNOLOGICAL TRANSFER OF RESEARCH RESULTS, SPECIFIC TO THE FIELD OF AGRICULTURE, FORESTRY AND FOOD INDUSTRY / INSTRUMENTE PENTRU FORMAREA CONTINUĂ, STIMULAREA INOVĂRII ŞI TRANSFERUL TEHNOLOGIC RAPID AL REZULTATELOR CERCETĂRII, SPECIFICE DOMENIULUI AGRICULTURĂ, SILVICULTURĂ ŞI INDUSTRIE ALIMENTARĂ Epure M.*¹⁾, Brăcăcescu C.¹⁾, Stroescu Gh.¹⁾, Matache G.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾INOE 2000-IHP / Romania <i>E-mail: secretariat@inma.ro</i></p>
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<p>CONSIDERATIONS ON THE ADVANTAGES OF USING NUMERICAL CONTROL MACHINES TO PROCESS PRECISION PARTS / CONSIDERATII PRIVIND AVANTAJELE UTILIZARII MASINILOR CU COMANDA NUMERICA IN VEDEREA PRELUCRARIIE PIESELOR DE PRECIZIE Dumitru D.N.2.*¹⁾, Găgeanu I.²⁾, Laza E.A.²⁾, Iuga D. E.²⁾, Niţu M.²⁾, Vocea I.²⁾, Gheorghe G.²⁾, Mateescu M.²⁾ ¹⁾SC IOR SA / Romania; ²⁾INMA Bucharest / Romania <i>E-mail: dumitrudragos.nicolae@gmail.com</i></p>	<p>ESTIMATION OF EVAPORATION LOSSES AND ASSESSMENT OF SUBSTANCE USE FOR SPRAYING WORKS IN FIELD CROPS / ESTIMAREA PIERDERILOR PRIN EVAPORARE ŞI EVALUAREA CONSUMULUI DE SUBSTANŢĂ PENTRU LUCRĂRILE DE STROPIT ÎN CULTURILE DE CAMP Roşu Niţu M.*¹⁾, Căsândroi T.²⁾, Matache M. G.¹⁾, Pruteanu A.¹⁾, Găgeanu I.¹⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University Politehnica Bucharest / Romania <i>E-mail: rosumihaelae@yahoo.com</i></p>
<p>EXPERIMENTAL MEASUREMENT OF THE TRACTION FORCE AND FRAME STRAIN OF THE MPM 4 MISCANTHUS PLANTING MACHINE / MĂSURAREA EXPERIMENTALĂ A FORŢEI DE TRACŢIUNE ŞI A TORSIUNII CADRULUI LA MAŞINA MPM 4 DE PLANTAT MISCANTHUS Matache A.*¹⁾, Stroescu Gh.²⁾, Vochin M.³⁾, Găgeanu I.²⁾, Biriş S.³⁾, Paraschiv G.³⁾ ¹⁾Safe Smart System SRL, ²⁾INMA Bucharest, ³⁾Politehnica University of Bucharest <i>E-mail: gabimatache@yahoo.com</i></p>	<p>THE INFLUENCE OF A TECHNOLOGICAL LINK ON THE STEM AND SEED YIELD AT TWO MONOECIOUS HEMP VARIETIES, IN A.R.D.S SECUIENI CONDITIONS / INFLUENŢA UNEI VERIGI TEHNOLOGICE AŞUPRA PRODUCŢIEI DE TULPINI ŞI SĂMÂNŢĂ LA DOUĂ SOIURI DE CÂNEPĂ MONOICĂ, ÎN CONDIŢIILE DE LA S.C.D.A SECUIENI Popa L-D.*¹⁾, Buburuz A.A.¹⁾, Isticioaia S.F.¹⁾, Teliban G.C.²⁾, Oprescu M.R.³⁾, Dumitru I.³⁾ ¹⁾SCDA SECUIENI - Romania, ²⁾USAMV Iaşi / Romania, ³⁾INMA Bucharest / Romania <i>E-mail: dy.hemp420@gmail.com</i></p>
<p>PERFORMANT EQUIPMENTS DESIGNED FOR GRAPE MARC SEEDS SEPARATION AND CALIBRATION FOR SUPERIOR CAPITALIZATION IN FOOD AND PHYTOPHARMACEUTICAL INDUSTRY / ECHIPAMENTE PERFORMANŢE PENTRU CURĂŢAREA ŞI SORTAREA SEMINTELOR DE STRUGURI DIN TESCOVINĂ ÎN SCOPUL VALORIFICĂRII SUPERIOARE A ACESTORA ÎN INDUSTRIA ALIMENTARĂ ŞI FITOFARMACEUTICA Milea D.*¹⁾, Vişan A.L.¹⁾, Păun A.¹⁾, Bogdanof C. G.¹⁾, Stroescu Gh.^{1,2)} ¹⁾INMA Bucharest / Romania, ²⁾ University Politehnica of Bucharest / Romania <i>E-mail: milea_dumitru57@yahoo.com</i></p>	<p>ASPECTS ABOUT ORGANIC WASTE COMPOSTING IN BIOCONTAINER / ASPECTE PRIVIND COMPOSTAREA DEŞEURILOR ORGANICE ÎN BIOCONTAINERE Nedelcu A.*, Ciuperca R., Zaica A., Anghel A., Zaica Al., Popa L., Ştefan V., Cristescu A.C INMA Bucharest / Romania <i>E-mail: nedelcuus@yahoo.com</i></p> <p>MICROBIOLOGICAL ANALYSIS OF RAW WASTEWATER FROM A DAIRY FARM / ANALIZA MICROBIOLOGICĂ A APEI UZATE BRUTĂ PROVENITĂ DINTR-O FERMĂ DE BOVINE Ungureanu N.¹⁾, Vlăduţ V.²⁾, Ferdeş M.¹⁾, Dincă M.¹⁾, Zăbavă B.Şt.¹⁾, Vocea I.²⁾ ¹⁾University Politehnica of Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>E-mail: nicoletaung@yahoo.com</i></p>
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<p>RESEARCHES ON THE MECHANIZED PLANTING OF AGROFORESTRY CURTAINS ON SANDY SOILS IN THE OLTENIA PLAIN / CERCETĂRI PRIVIND PLANTAREA MECANIZATĂ A PERDELELOR AGROFORESTIERE PE SOLURILE NISPOASE DIN CÂMPIA OLTENIEI Marin E.*¹⁾, Manea D.¹⁾, Mateescu M.¹⁾, Grigore I.¹⁾, Bularda M.²⁾, Drăghici I.³⁾ ¹⁾ INMA Bucharest / Romania, ²⁾SCDA Brăila / Romania, ³⁾S.C.D.P.C.P.N. Dăbuleni / Romania, <i>E-mail: marin_43eu@yahoo.com</i></p>	<p>THE IRRIGATED AND NON-IRRIGATED SYSTEM IMPROVES QUANTITY THE PRODUCTION OF EXISTING AMINOACES IN POPCORN BOATS TOM THUMB / SISTEMUL IRIGAT ȘI NEIRIGAT INFLUENȚEAZĂ CANTITATIV PRODUCȚIA DE AMINOACIZI EXISTENTĂ ÎN BOABELE DE POPCORN TOM THUMB Rădulescu D. L.*¹⁾, Obretin I. C.²⁾ ¹⁾UASVM Bucharest, / Romania; ²⁾University of Craiova, Faculty of Mechanics, / Romania <i>E-mail: radulescudiana15@gmail.com</i></p>
<p>THE INFLUENCE OF MC22 HAMMER MILL FREQUENCY ON SALIX VIMINALIS CHIPPING / INFLUENȚA TURATIEI MORII CU CIOCNE MC22 ASUPRA TOCATURII DE SALSIE ENERGETICA Moiceanu G.*¹⁾, Voicu Gh.¹⁾, Paraschiv G.¹⁾, Dinca M.¹⁾, Gageanu I.²⁾, Vladut V.²⁾ ¹⁾University Politehnica of Bucharest / Romania; ²⁾INMA Bucharest <i>E-mail: moiceanugeorgiana@gmail.com</i></p>	<p>MONITORING SYSTEM OF LOCAL SOIL HUMIDITY USING ITS DISTRIBUTION MAPS / SISTEM DE MONITORIZARE A UMIDITĂȚII LOCALE A SOLULUI, UTILIZAND HĂRȚILE DE DISTRIBUȚIE A ACESTEIA Radu O.D.*¹⁾, Cristea L.¹⁾, Muraru S.¹⁾, Caba I.¹⁾, Laza E.¹⁾, Popescu C.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾S.C. HOFIGAL Export Import S.A. / Romania <i>E-mail: diana10.cristea@gmail.com</i></p>
<p>IMPROVING THE SEPARATION AND RECOVERING DEGREE OF FLOUR ADHERING TO BRAN, IN ORDER TO OBTAIN HIGH QUALITY FOOD PRODUCTS / ÎMBUNĂȚĂȚIREA GRADULUI DE SEPARARE ȘI RECUPERARE A FĂINII ADERATĂ LA TĂRĂȚE ÎN VEDEREA OBTINERII UNOR PRODUSE ALIMENTARE DE ÎNALTĂ CALITATE Bunduchi G.*¹⁾, Găgeanu P., Păun A., Găgeanu I., Zaica Al., Epure M. INMA Bucharest / Romania <i>E-mail: anca_bunduchi@yahoo.com</i></p>	<p>TECHNOLOGY FOR OBTAINING ORGANIC SEEDS AND PLANTING MATERIAL FOR VEGETABLE SPECIES/ TEHNOLOGIE PENTRU OBTINEREA DE SĂMÂNȚĂ ECOLOGICĂ ȘI MATERIAL DE PLANTAT PENTRU SPECIILE LEGUMICOLE Stroescu Gh.*¹⁾, Păun A.¹⁾, Matache A.¹⁾, Persu C.¹⁾, Dumitrașcu A.¹⁾, Dumitru I.¹⁾, Iuga D.¹⁾, Epure M.¹⁾, Fătu V.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾ICDPP Bucharest / Romania <i>E-mail: gigistroescu62@gmail.com</i></p>
<p>FINISHED ANALYSIS OF DENTAL FREQUENCIES / ANALIZA CU ELEMENT FINIT A FREZELOR DENTARE Sărăcin A.I.*¹⁾, Constantin A.G., Voicu Gh. ¹⁾Universities Polytechnic Bucharest, Faculty of Biotechnical Systems Engineering / Romania <i>E-mail:saracin_alex@gmail.com</i></p>	<p>MECHANIZATION TECHNOLOGIES FOR PRUNING CUTS IN VINEYARDS / TEHNOLOGII DE MECANIZARE PENTRU TAIERILE IN PLANTATIILE DE VITA DE VIE Ștefan V.*¹⁾, Popa L.¹⁾, Nedelcu A.¹⁾, Cristescu A.C.¹⁾, Dudici L.²⁾, Ciupercă R.¹⁾, Zaica A.¹⁾, Anghel A.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾University Politehnica of Bucharest <i>E-mail: valle_vali@yahoo.com</i></p>
<p>ASPECTS REGARDING THE ANALYSIS OF THE STRESS IN FRONT LOADER COMPONENTS / ASPECTE PRIVIND ANALIZA SOLICITĂRILOR DIN COMPONENTELE ÎNCĂRCĂTORULUI FRONTAL Anghel A.*¹⁾, Maican E.²⁾, Nedelcu A.¹⁾, Zaica A.¹⁾, Cristescu A.¹⁾, Ștefan V.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾University Politehnica of Bucharest / Romania; <i>E-mail: anghel.alexandra@yahoo.com</i></p>	<p>“HOW DIVERSE” ARE ENDOPHYTIC FUNGI IN CROPS? / “OARE CÂTĂ” DIVERSITATE PREZINTĂ COMUNITĂȚILE DE CIUPERCI ENDOFITE ÎN PLANTELE DE CULTURĂ? Cosoveanu A.*¹⁾, Rodriguez Sabina S.²⁾, Barbu L.¹⁾, Paun A.³⁾, Andrei A.M.¹⁾, Cabrera R.²⁾ ¹⁾Research – Development Institute for Plant Protection Bucharest, Romania; ²⁾INMA Bucharest / Romania; ³⁾Facultad de Ciencias - Sección Biología, Universidad de La Laguna, Tenerife / Spain <i>E-mail: andreea.cosoveanu@icdpp.ro</i></p>
<p>GENERAL CONSIDERATIONS ON REED HARVESTING MACHINE FROM WETLANDS SUITABLE FOR ITS GROWING/ CONSIDERAȚII GENERALE PRIVIND MAȘINA DE RECOLTAT STUF ÎN ZONELE UMEDE PROPICE DEZVOLTĂRII ACESTUIA Zaica Al.*¹⁾, Păun A., Găgeanu P., Olan M., Zaica A., Bunduchi G., Brăcăcescu C. INMA Bucharest / Romania <i>E-mail: zaica_alexandru@yahoo.com</i></p>	<p>BENEFICIAL MICROORGANISMS WITH PLANT STIMULATING EFFECTS ON WHITE CLOVER <i>Trifolium repens</i> L. / MICROORGANISME BENEFICE PLANTELOR CU EFECT STIMULATOR ASUPRA TRIFOIULUI ALB <i>Trifolium repens</i> L. Boiu-Sicuia O.A.^{1,2)}, Constantinescu F.²⁾, Caba L.³⁾, Crețu M.¹⁾, Cornea C.P.¹⁾ ¹⁾UASVM Bucharest, Faculty of Biotechnology / Romania; ²⁾ICDPP Bucharest / Romania; ³⁾INMA Bucharest / Romania; <i>E-mail: pccornea@yahoo.com</i></p>
<p>THE QUALITY OF WELDED JOINTS FROM STEEL OL 52.4 AND THEIR BEHAVIOR WHEN EXPLOITING / CALITATEA ÎMBINĂRILOR SUDATE DIN OȚEL OL 52.4 K ȘI COMPORTAMENTUL LOR LA EXPLOATARE Pandia O.*¹⁾, Sărăcin I.²⁾ ¹⁾University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Management, Economic Engineering in Agriculture and Rural Development / Romania ²⁾University of Craiova, Faculty of Agriculture / Romania <i>E-mail: olimpia_pandia@yahoo.com</i></p>	<p>TEST METHOD FOR ASSESING THE BIOLOGICAL STABILITY OF FUNGAL ENTOMOPATHOGENIC BIOINSECTICIDES / PROCEDEU DE EVALUARE A STABILITĂȚII BIOLOGICE A FORMULĂRILOR FUNGICE ENTOMOPATOGENE Dinu M.M.¹⁾, Fătu A.C.^{1,2)}, Andrei A.M.¹⁾, Muscalu M.³⁾ ¹⁾ICDPP Bucharest / Romania; ²⁾UASVM Bucharest / Romania; ³⁾INMA Bucharest / Romania <i>E-mail: dinu.mihaela@icdpp.ro</i></p>
<p>MANUAL SEED DRILL OF SMALL SEEDS IN THE ALVEOLI / SEMĂNĂTOARE MANUALĂ DE SEMINTE MICI ÎN ALVEOLE Sărăcin I.*¹⁾, Pandia O.²⁾ ¹⁾University of Craiova, Faculty of Agriculture / Romania; ²⁾UASVM Bucharest / Romania <i>E-mail: ion_saracin@yahoo.com</i></p>	<p>NUTRITIVE AND FORMULATION SUBSTRATE FOR BEAUVERIA BASSIANA (BALS.) VUILL / SUBSTRAT NUTRITIV ȘI DE FORMULARE PENTRU BEAUVERIA BASSIANA (BALS.) VUILL Dinu M.M.¹⁾, Fătu A.C.^{1,2)}, Andrei A.M.¹⁾ ¹⁾Research-Development Institute for Plant Protection / Romania; ²⁾UASVM Bucharest / Romania <i>E-mail: dinu.mihaela@icdpp.ro</i></p>
<p>OPTIMAL SPEED SETTING FOR THERMAL INES FITTED TO AGRICULTURAL TRACTORS / STABILIREA TURAȚIEI OPTIME LA MOTOARELE TERMICE CARE ECHIPEAZĂ TRACTOARELE AGRICOLE Sărăcin I.*¹⁾, Pandia O.²⁾ ¹⁾University of Craiova, / Romania; ²⁾UASVM Bucharest / Romania <i>E-mail: ion_saracin@yahoo.com</i></p>	<p>SOIL MAPPING USING MODERN METHODS ACCORDING TO THE CONCEPT OF PRECISION AGRICULTURE / CARTAREA SOLULUI PRIN METODE MODERNRNE CONFORM CONCEPTULUI DE AGRICULTURA DE PRECIZIE Persu C., Cujbescu D., Matache M., Găgeanu I., Voicea I., Gheorghe G., Vlăduț V., Sorică C. INMA Bucharest / Romania <i>E-mail: persucatalin@yahoo.com</i></p>
<p>STATIC PRESSURE DISTRIBUTION IN THE SOIL UNDER THE WHEEL OF A SPRAYING MACHINE / DISTRIBUȚIA STATICĂ A PRESIUNII ÎN SOL SUB ROATA UNEI MAȘINI DE STROPIT Ungureanu N.¹⁾, Persu C.²⁾, Vlăduț V.²⁾, Biriș S.Șt.¹⁾, Cujbescu D.²⁾, Oprescu M.R.²⁾ ¹⁾University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²⁾INMA Bucharest / Romania <i>E-mail: nicoletaung@yahoo.com</i></p>	<p>PARAMETERIZATION OF AN AGRICULTURAL DRONE FOR CONDUCTING THE SOIL MAPPING OPERATION / PARAMETRIZAREA UNEI DRONE AGRICOLE IN VEDEREA REALIZĂRII OPERATIUNII DE CARTARE A SOLULUI Persu C.*¹⁾, Cujbescu D., Matache M., Găgeanu I., Voicea I., Gheorghe G., Leșeanu A. INMA Bucharest / Romania <i>E-mail: persucatalin@yahoo.com</i></p>

<p>CONSIDERATION OF WORLDWIDE TECHNOLOGIES USED FOR HARVESTING SUGAR SORGHUM / CONSIDERAȚII PRIVIND TEHNOLOGIILE UTILIZATE PE PLAN MONDIAL PENTRU RECOLTAREA SORGULUI ZAHARAT Vlăduț V.¹⁾, Voicea I.¹⁾, Belc N.²⁾, Apostol L.²⁾, Găgeanu I.¹⁾, Cujbescu D.¹⁾, Matei Gh.³⁾, Ungureanu N.⁴⁾, Persu C.¹⁾, Olan M.¹⁾, Żelaziński T.⁵⁾, Ekielski A.⁵⁾, Deak G.⁶⁾, Catană L.²⁾ ¹⁾INMA Bucharest; ²⁾IBA Bucharest; ³⁾University of Craiova / Romania; ⁴⁾U.P. Bucharest / Romania; ⁵⁾Warsaw University of Life Sciences / Poland; ⁶⁾INCDPM Bucharest / Romania E-mail: valentin_vladut@yahoo.com</p>	<p>INNOVATIVE TECHNOLOGIES TO REDUCE THE NEGATIVE IMPACT OF CLIMATE CHANGE IN VEGETABLE CROPS / TEHNOLOGII INOVATIVE PENTRU REDUCEREA IMPACTULUI NEGATIV AL SCHIMBĂRILOR CLIMATICE ÎN CULTURILE LEGUMICOLE Deak Gy.*¹⁾, Coman V.¹⁾, Matei M.¹⁾, Rotaru A.¹⁾, Voicu M.¹⁾, Laslo L.¹⁾, Lupei T.¹⁾ Vlăduț V.²⁾ Tudora C.²⁾ ¹⁾ICDPP Bucharest / Romania; ²⁾INMA Bucharest / Romania; E-mail: dkrcontrol@yahoo.com</p>
<p>STAND FOR DETERMINATION OF OPERATING PARAMETERS FOR VERTICALLY ROTOR MILLING CUTTERS ACCORDING TO THE CYCLOID DESCRIBED BY KNIVES / STAND PENTRU DETERMINAREA PARAMETRILOR DE EXPLOATARE LA FREZELE CU ROTOR VERTICAL ÎN FUNCȚIE DE CICLOIDA DESCRISĂ DE CUȚITE Iordache V., Sărăcin I.* University of Craiova, Faculty of Agriculture / Romania E-mail: ion_saracin@yahoo.com</p>	<p>IDENTIFICATION AND EVALUATION OF THE MAIN CLIMATE FACTORS AFFECTING FORESTS ECOSYSTEMS / IDENTIFICAREA ȘI EVALUAREA PRINCIPALILOR FACTORI CLIMATICI CE AFECTEAZĂ ECOSISTEMELE FORESTIERE Deak Gy.*, Matei M., Rotaru A., Voicu M., Coman V., Laslo L., Ciobotaru N., Boboc M., Bara N., Lupei T. National Institute for Research and Development for Environmental Protection Bucharest / Romania E-mail: dkrcontrol@yahoo.com</p>
<p>TECHNOLOGY FOR CULTIVATING SUGAR SORGHUM / TEHNOLOGIA DE CULTIVARE A SORGULUI ZAHARAT Cristea L.-C.*¹⁾, Ciuperca R.¹⁾, Radu O.-D.¹⁾, Neagoe M.¹⁾, Popescu C.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾S.C. HOFIGAL Export Import S.A. / Romania E-mail: larisacristea91@yahoo.com</p>	<p>ADVANCED TECHNOLOGIES FOR WASTEWATER TREATMENT BY OZONATION – A REVIEW / TEHNOLOGII AVANSATE DE EPURARE A APELOR UZATE PRIN OZONIZARE- REVIEW Zăbavă B.Ș.T.¹⁾, Voicu Gh.¹⁾, Ungureanu N.¹⁾, Dincă M.¹⁾, Ferdes M.¹⁾, Vlăduț V.²⁾ ¹⁾University Politehnica of Bucharest, / Romania, ²⁾INMA Bucharest / Romania E-mail: bianca.dragoiu@yahoo.com</p>
<p>COMBINED SYSTEM FOR THE PRODUCTION OF THERMAL ENERGY USING SOLAR AND BIOMASS ENERGY / SISTEM COMBINAT PENTRU PRODUCEREA ENERGIEI TERMICE, UTILIZAND ENERGIA SOLARA SI CEA DIN BIOMASĂ Dumitrescu L.*¹⁾, Cristescu C.¹⁾, Barbu V.¹⁾, Mateescu M.²⁾ ¹⁾ INOE 2000 – IHP / Romania; ²⁾INMA Bucharest / Romania E-mail: dumitrescu.ihp@fluidas.ro</p>	<p>PLANT PROTECTION PRODUCTS WITH LOW ENVIRONMENT IMPACT USED FOR THE PESTS CONTROL IN POTATO CROP / UTILIZAREA PRODUSELOR DE PROTECTIE A PLANTELOR CU IMPACT REDUS ASUPRA MEDIULUI IN COMBATAREA AGENTILOR DE DAUNARE DIN CULTURA DE CARTOF Dudoiu R.*¹⁾, Fatu V.¹⁾, Vișan A.²⁾ ¹⁾ICDPP Bucharest / Romania; ²⁾INMA Bucharest / Romania E-mail: roxyanna_21@yahoo.com</p>
<p>CONSIDERATIONS REGARDING HEMP HARVESTING / CONSIDERAȚII PRIVIND RECOLTATUL CÂNEPEI Sirbu F.D.¹⁾, Dumitru I.²⁾, Iuga D.E.²⁾, Voicea I.²⁾, Vladut N.V.²⁾, Oprescu R.M.²⁾ ¹⁾AGROMAD Crops SRL / Romania; ²⁾INMA Bucharest / Romania; E-mail: florinsirbu2003@yahoo.com</p>	<p>AGRICULTURAL CREDITS - IMPORTANT FACTOR IN RURAL DEVELOPMENT OF OLT COUNTY / CREDITELE AGRICOLE - FACTOR IMPORTANT ÎN DEZVOLTAREA RURALĂ A JUDEȚULUI OLT Cruțeru C. UASVM Bucharest / Romania E-mail: c.cruțeru19@yahoo.com</p>
<p>STUDY AND RESEARCH ON ENERGY CONSUMPTION FOR CEREAL GRAIN STRAINS CUTTING / STUDII ȘI CERCETĂRI PRIVIND CONSUMUL DE ENERGIE LA TĂIEREA TULPINILOR UNOR CEREALE PĂIOASE Nuțu G.¹⁾, Țenu I.²⁾, Cârlescu P.M.²⁾ ¹⁾APIA Bacău, Romania; ²⁾UASVM Iași, Faculty of Agriculture / Romania E-mail: ngsax63@yahoo.com</p>	<p>THE INFLUENCE OF NITROGEN AND PHOSPHORUS ON CERTAIN PHYSIOLOGICAL PROCESSES / INFLUENȚA AZOTULUI ȘI FOSFORULUI ASUPRA UNOR PROCESE FIZIOLOGICE LA PORUMBUL TOM THUMB Rădulescu D. L.*¹⁾, Obretin I. C.²⁾ ¹⁾USAMV Bucharest / Romania; ²⁾University of Craiova, Faculty of Mechanics, / Romania E-mail: radulescudiana15@gmail.com</p>
<p>IMPROVEMENT OF TECHNOLOGY AND MECHANIZATION FOR WEED CONTROL / ÎMBUNĂȚIREA TEHNOLOGIILOR ȘI MECANIZĂRII PENTRU CONTROLUL BURUIENILOR Gheorghe G.*, Mateescu M., Găgeanu I., Persu C. INMA Bucharest / Romania E-mail: gabrielvalentinghe@yahoo.com</p>	<p>STUDY ON TECHNOLOGIES FOR ORCHARD MAINTENANCE / STUDIU PRIVIND TEHNOLOGIILE PENTRU ÎNȚEȚINEREA PLANTAȚIILOR POMICOLE Coman. M., Radu O., Muraru S., Muraru-Ionel C.*, Muraru V., Marin E. ¹⁾IND-AGRO-POL competitiveness pole / Romania Email: indagropol1@gmail.com; cornelia.muraru.ionel@gmail.com</p>
<p>A SURVEY REGARDING THE PERFORMING DRYERS USED IN MARC CAPITALIZATION TECHNOLOGIES / STUDIU PRIVIND USCĂTOARELE PERFORMANTE UTILIZATE IN TEHNOLOGIA DE VALORIFICAREA TESCOVINEI Vișan A.L.*¹⁾, Milea D.¹⁾, Păun A.¹⁾, Bogdanof C.G.¹⁾, Stroescu Gh.^{1,2)} ¹⁾INMA Bucharest / Romania, ²⁾ University Politehnica of Bucharest / Romania E-mail: alexandron1982@yahoo.com</p>	<p>SORGHUM CULTURE A SOLUTION FOR OBROGEAN AGRICULTURE / CULTURA DE SORG O SOLUȚIE PENTRU AGRICULTURA DOBROGEANĂ Jinga V.¹⁾, Vlăduț V.²⁾, Marin E.²⁾, Manole D.³⁾ ¹⁾Research and Development Institute for Plant Protection / Romania; ²⁾INMA Bucharest / Romania; ³⁾SC Sport Agra SRL / Romania E-mail: vasiliejinga23@gmail.com</p>
<p>COMBINED EQUIPMENT FOR VEGETAL MINCE AND EMBEDDED / ECHIPAMENT COMBINAT PENTRU MARUȚIT ȘI ÎNCORPORAT RESTURI VEGETALE Stoian F., Mitrache P. M.* Universitatea din Craiova / Romania E-mail: paulmarusmitrache@gmail.com</p>	<p>TECHNOLOGIES AND EQUIPMENTS FOR VINEYARDS, IN THE CONTEXT OF CLIMATE CHANGE / TEHNOLOGII ȘI ECHIPAMENTE PENTRU POMICULTURĂ / VITICULTURA, IN CONTEXTUL SCHIMBĂRILOR CLIMATICE Popa L.*¹⁾, Moise St.I.²⁾, Ștefan V.¹⁾, Cristescu A.C.¹⁾, Moise V.³⁾, Dudici L.³⁾, Rotaru A.³⁾, Nedelcu L.¹⁾, Zaica A.¹⁾, Anghel Al.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾Etudes et Productions Schlumberger / France; ³⁾Politehnica University of Bucharest / Romania E-mail: lucretia_popa@yahoo.com</p>
<p>CONSIDERATIONS ON HEMP CULTIVATION TECHNOLOGY / CONSIDERAȚII ASUPRA TEHNOLOGIEI DE CULTIVARE A CÂNEPEI Oprescu R.¹⁾, Biriș S.Ș.T.²⁾ Voicea I.¹⁾, Vlăduț V.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾University Politehnica Bucharest / Romania; E-mail: voicea_iulian@yahoo.com</p>	<p>THE TREATMENT OF ORGANIC CONTAMINATED WATER USING CHEMICAL METHODS / TRATAREA APEI CONTAMINATE ORGANICE PRIN METODE CHIMICE Istrate I. A., Ferdes M., Zabava B. S. University Politehnica of Bucharest / Romania E-mail: irina_aura_oprea@yahoo.com</p>

<p>ACTIVE BODY REVERSIBLE CHISEL TYPE WITH INTERCHANGEABLE WEAR ENDS / ORGAN DE LUCRU TIP DALȚĂ REVERSIBILĂ CU CAPETE DE UZURĂ INTERSCHIMBABILE Cârdei P.¹⁾, Marin E.¹⁾, Vladutoiu L.¹⁾, Gheorghie G.¹⁾, Dr. Ing. Fecchete L.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾Technical University of Cluj-Napoca, Automotive Engineering and Transport Dept. / Romania E-mail: laurentiuvladutoiu82@gmail.com</p>	<p>DEVICE FOR REPLANTING SEEDLINGS AND PLANTS SPECIFIC TO AGRICULTURAL CROPS / APARAT DE REPICAT PUIEȚI DE RĂȘINOASE ȘI PLANTULE SPECIFICE CULTURILOR AGRICOLE Ganea I.^{1,2)}, Tudosoiu C.²⁾, Paraschiv G.³⁾ ¹⁾INMA Bucharest / Romania; ²⁾INCD S "Marin Dracea"; ³⁾University Politehnica of Bucharest / Romania E-mail: ganea007@yahoo.com</p>
<p>TECHNOLOGIES AND EQUIPMENT USED FOR OBTAINING BYPRODUCTS AND WASTE RESULTING FROM THE CAPITALIZATION OF ENERGY CROPS / TEHNOLOGII ȘI ECHIPAMENTE UTILIZATE PENTRU OBTINEREA SUBPRODUSELOR ȘI DEȘEURILOR REZULTATE DIN VALORIFICAREA CULTURILOR ENERGETICE Vlăduț V.¹⁾, Marin E.¹⁾, Voicea I.¹⁾, Apostol L.²⁾, Găgeanu I.¹⁾, Olan M.¹⁾, Cujbescu D.¹⁾, Pruteanu A.¹⁾, Matei Gh.³⁾, Ungureanu N.⁴⁾, Opreșcu R.¹⁾, Dincă M.⁴⁾, Zăbavă B.⁴⁾, Catană M.²⁾ ¹⁾INMA Bucharest; ²⁾IABA Bucharest; ³⁾University of Craiova; ⁴⁾U.P. Bucharest / Romania E-mail: valentin_vladut@yahoo.com</p>	<p>RESEARCH ON THE TREATMENT OF LIVESTOCK WASTEWATER BY OXIDATIVE DEGRADATION PROCESSES / CERCETĂRI PRIVIND EPURAREA APELOR UZATE REZULTATE DIN ZOOTEHNIE PRIN PROCESE DE DEGRADARE OXIDATIVĂ Tociu C.¹⁾, Maria C.¹⁾, Manea D.²⁾, Constandache A.-C.¹⁾, Ciobotaru I.-E.¹⁾, Ivanov A.-A.¹⁾, Marcu E.¹⁾, Marinescu F.¹⁾, Savin I.¹⁾ ¹⁾INCDPM Bucharest / Romania; ²⁾INMA Bucharest / Romania E-mail: tociucarmen@yahoo.com</p>
<p>TECHNOLOGIES AND EQUIPMENT USED FOR CULTIVATION OF SWEET SORGHUM / TEHNOLOGII ȘI ECHIPAMENTE UTILIZATE PENTRU CULTIVAREA SORGULUI ZAHARAT Caba I.¹⁾, Laza E.¹⁾, Vlăduț V.¹⁾, Găgeanu I.¹⁾, Voicea I.¹⁾, Isticioaia S.²⁾, Olan M.¹⁾, Opreșcu M.R.¹⁾, Matei Gh.³⁾, Ungureanu N.⁴⁾, Biriș S.⁴⁾ ¹⁾INMA Bucharest; ²⁾SCDA Secuieni; ³⁾University of Craiova; ⁴⁾U.P. Bucharest / Romania; E-mail: inmatm_caba@yahoo.com</p>	<p>COMPARATIVE STUDY REGARDING ADVANCED WASTEWATER TREATMENT USING ELECTROCHEMICAL OXIDATION AND PHOTOCATALYSIS METHODS / STUDIU COMPARATIV PRIVIND EPURAREA AVANSATĂ A APELOR UZATE PRIN ELECTROOXIDARE ȘI FOTOCATALIZĂ Dincă M.^{1,2)}, Ungureanu N.¹⁾, Ferdeș M.¹⁾, Zăbavă B.¹⁾, Vlăduț V.²⁾ ¹⁾University Politehnica of Bucharest, / Romania; ²⁾INMA Bucharest E-mail: mirela_dilea@yahoo.com</p>
<p>TRENDS REGARDING GRAINS TRANSPORT IN GRAIN SILOS AND MILLS/ TENDINȚE PRIVIND TRANSPORTUL CEREALELOR ÎN SILOZURILE DE CEREALE ȘI ÎN MORI Mihai M.¹⁾, Voicea I.¹⁾, Cujbescu D.¹⁾, Persu C.¹⁾, Găgeanu I.¹⁾, Nițu M.¹⁾, Opreșcu M.R.¹⁾, Iuga D.¹⁾, Stroescu Gh.¹⁾, Arsenoaia V.²⁾, Popescu L.³⁾ ¹⁾INMA Bucharest / Romania; ²⁾USAMV Iași / Romania; ³⁾Condor Comimpex SRL / Romania E-mail: marian17mihai@yahoo.com</p>	<p>THE ECONOMIC PERFORMANCE OF ROMANIA IN THE YEARS 2015-2018 / PERFORMANȚA ECONOMICĂ A ROMÂNIEI DIN ANII 2015-2018 Cruceru C. University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Management, Economic Engineering in Agriculture and Rural Development / Romania E-mail: c.cruцерu19@yahoo.com</p>
<p>SITUATION AND PERSPECTIVES ON THE USE OF MONOATOMIC ALCOHOLS IN ENERGY/ SITUAȚIA ȘI PERSPECTIVE PRIVIND FOLOSIREA ALCOOLILOR MONOATOMICI ÎN ENERGETICĂ Iuga D. *, Voicea I., Dumitru I., Bolintineanu Gh., Cujbescu D., Persu C., Găgeanu I., Vlăduțuio L., Opreșcu M.R., Grigore A. I., Stroescu Gh. ¹⁾INMA Bucharest / Romania E-mail: dorin.iuga@gmail.com</p>	<p>INFLUENCE OF ROOT TREATMENTS ON PLANT GROWTH OF SOLANUM LYCOPERSICUM L. / INFLUENȚA TRATAMENTELOR LA RADACINA ASUPRA CREȘTERII PLANTELOR DE SOLANUM LYCOPERSICUM L. Fătu V.^{1,2)}, Boiu-Sicua O.A.^{1,2)}, Dudoiu R.^{1,2)}, Fătu A.C.^{1,2)}, Burnichi F.³⁾, Stroescu Gh.⁴⁾ ¹⁾Research-Development Institute for Plant Protection, Bucharest, Romania; ²⁾USAMV Bucharest, / Romania; ³⁾SCDL Buzau, Romania; ⁴⁾INMA Bucharest / Romania E-mail: fatu_viorel@yahoo.com</p>
<p>TECHNOLOGIES AND EQUIPMENT USED FOR OBTAINING OF ALCOHOL FROM TECHNICAL PLANTS/ TEHNOLOGII ȘI ECHIPAMENTE UTILIZATE PENTRU OBTINEREA ALCOOLULUI DIN PLANTELE TEHNICE Marin E.¹⁾, Vladutoiu L.¹⁾, Vlăduț V.¹⁾, Găgeanu I.¹⁾, Voicea I.¹⁾, Olan M.¹⁾, Żelaziński T.²⁾, Ekielski A.²⁾, Ungureanu N.³⁾, Biriș S.Ș.³⁾, Grigore I.A.¹⁾ ¹⁾INMA Bucharest; ²⁾Warsaw University of Life Sciences / Poland; ³⁾U.P. Bucharest / Romania; E-mail: marin_43eu@yahoo.com</p>	<p>STUDY ON THE INFLUENCE OF MINERAL FERTILIZATION ON THE BIOMASS YIELD OF SWEET SORGHUM CULTIVATED IN THE CARACAL PLAIN / STUDIU PRIVIND INFLUENȚA FERTILIZĂRII MINERALE ASUPRA PRODUCTIEI DE BIOMASĂ LA SORGUL ZAHARAT CULTIVAT ÎN CÂMPA CARACALULUI Matei Gh.¹⁾, Vlăduț V.N.²⁾, Vladu M.¹⁾, Pânzaru R.L.¹⁾, Săvescu P.¹⁾, Sălceanu C.¹⁾ ¹⁾University of Craiova, Faculty of Agronomy / Romania; ²⁾INMA Bucharest / Romania E-mail: matei.gheorghie@gmail.com</p>
<p>IMPLEMENTATION OF RENEWABLE ENERGY SOLUTIONS ON A NAVAL TRAFFIC SURVEILLANCE PONTOON / IMPLEMENTAREA DE SOLUȚII DE ENERGIE REGENERABILĂ PE UN PONTON DE SUPRAVEGHERE PENTRU TRAFICUL NAVAL Rădoi R.I.^{1,2)}, Tudor B.¹⁾, Șefu Șt. M.¹⁾, Alexe M.¹⁾, Găgeanu I.²⁾ ¹⁾INOE 2000 – IHP / Romania; ²⁾INMA Bucharest / Romania E-mail: dumitrescu.ihp@fluidas.ro</p>	<p>THE DESIGN OF AN ELECTRONIC SYSTEM FOR AUTOMATIC ADJUSTMENT OF THE WORKING PARAMETERS FOR SPRINKLING MACHINES / PROIECTAREA UNUI SISTEM ELECTRONIC DE REGLARE AUTOMATĂ A PARAMETRILOR DE LUCRU PENTRU MAȘINILE DE STROPIT Glodeanu M. V.¹⁾, Vasile C.¹⁾, Alexandru T.¹⁾ ¹⁾University of Craiova, Faculty of Agriculture / Romania E-mail: mihneaglodeanu@yahoo.com</p>
<p>STUDY ON NEW MECHANIZED HARVESTING TECHNOLOGIES IN VINEYARDS / STUDIU ASUPRA NOILOR TEHNOLOGII DE RECOLTARE MECANIZATA IN VITICULTURA Cristescu A.C.¹⁾, Popa L.¹⁾, Stefan V.¹⁾, Rotaru Al.²⁾, Anghelut A.¹⁾, Zaica A.¹⁾, Zaica Al.¹⁾, Găgeanu I.¹⁾ ¹⁾INMA Bucharest/Romania; ²⁾ University Politehnica of Bucharest/Romania E-mail: andreea.catalina.cristescu@gmail.com</p>	<p>EXPERIMENTAL RESEARCH REGARDING ZONAL VARIABLE CROP IRRIGATION / CERCETĂRI EXPERIMENTALE PRIVIND IRIGAREA ZONALĂ VARIABILĂ A CULTURILOR AGRICOLE Condruz P., Muraru S.L., Sfiru R., Radu O., Ticu T., Muraru V.M. INMA Bucharest / Romania E-mail: paula.condruz91@gmail.com</p>

SECTION 4 – Roundtable: “Positive impact on the environment by using industrial residues in the pelletizing process” 16³⁰ – 17³⁰
Chairman: GĂGEANU Iuliana / VOICU Gheorghie (U.P. Bucharest Library, Building A, Hall 4.2)

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07³⁰-15⁰⁰ – Field Trip: Visit to INMA Bucharest, IPSO SRL, lunch at Casa Vanatorească Restaurant (Mogoșoaia), visit to Mogoșoaia Palace